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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Guy Harles et al.  
Serial No: 10/021,376  
Confirmation No: 2569  
Filed: December 6, 2001  
For: Method and Apparatus for Determining Characteristics of  
Components of a Communication Channel  
Examiner: Not Yet Assigned  
Art Unit: 2631

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 23, 2003.

*William R. McClellan*  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Technology Center 2600

Sir:

**SECOND PRELIMINARY AMENDMENT**

Prior to examination, kindly amend the above-identified application as follows.

**In the Specification**

Please replace the specification with the enclosed substitute specification (pages 1-28). A marked-up specification (pages 1-30), including changes with underlining and strikeouts, is also enclosed. No new matter has been added.

**REMARKS**

Enclosed herewith are a substitute specification and a marked-up specification. The specification has been amended to overcome objections raised in the International Preliminary